

Release Notes

SEE Electrical Expert V4R3 Service Pack 4 (4.84/C)

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I. Changes and Enhancements Made in *SEE Electrical Expert* V4R3 Service Pack 4 (4.84/C) Compared to V4R3 Service Pack 4 (4.84/B)

I.A. New Features and Enhancements

3D Panel

- When a 3D Panel sheet is closed, in *SEE Electrical Expert* the existing nets between two different locations are not deleted, but kept. The process removes only the nets between components from the location used in the 3D sheet and replaces them by the ones created in that sheet.

PLC I/O Manager

- Accessory code(s) added to the main code, separated by comma.
- Option** menu: command added for management of default rack blocks.
- Added new attribute: "Class".
- Possible to define the default PLC classes (from the equipment catalogue) that are to be suggested when opening the window for equipment code selection.

I.B. Fixed Issues

3D Panel

<i>ID4429</i>	After the net routing process, some devices are incorrectly connected (in <i>SEE Electrical Expert</i>).
<i>ID4580</i>	Crash when opening a 3D Panel sheet without having the module installed.

PLC I/O Manager

<i>ID3669</i>	The block name is not visible in some windows.
<i>ID3978</i>	Impossible to paste a rack between two APIs.
<i>ID4408</i>	Wrong window during API importation.
<i>ID4474</i>	SeePLCChannelInsertion Plugin: Impossible to insert an interface channel via the plugin.

ID4548	Wrong message during PLC generation with interfaces and channel blocks.
ID4990	The automatic numbering of interfaces does not work.
ID4992	The automatic numbering of racks does not work.
ID5178	The accessory does not change when another one is selected.
ID5347	After migrating an environment from V4R2 to V4R3, PLC does not work.
ID5392	Crash after selecting an equipment code for a module.
ID5423	Crash when assigning an equipment code to a card.

Protection

ID4619	Impossible to change the environment if the Part-List Manager module is not present on the protection key.
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I.C. Known Issues and Workarounds

Issues to be fixed in V4R3 Service Pack 4 (4.84/D)

Not defined yet.

I.D. Limitations and Restrictions

I.D.1. SEE Electrical Expert

- ✓ *SEE Electrical Expert* cannot be run under Windows XP.
- ✓ *SEE Electrical Expert* V4R3 needs a **Flex LM** version that is equal or upper to **11.14.02** to use this type of protection. The "**Visual C++ Redistribute for Visual Studio 2015**" component has to be installed on the server where **Flex LM** is installed. Normally, this component is automatically installed with the *Windows Update*.
- ✓ Project maximal size is 1.8 GB.

- ✓ The **multi-language features** of a project are protected by the "**Translation**" license. Editing texts or attributes is possible to be carried out in all project languages only provided you have the "Translation" module included in your license. If you do not have the "Translation" module, you are allowed to consult the project in each project language but modifications can only be made in the "main" language.
- ✓ The migration process does not recreate the **hyperlinks** in projects created with V4R1 or previous versions of *SEE Electrical Expert*. To have the hyperlinks available on migrated projects, you have to rebuild the cross references and then generate the part lists and table of contents again.
- ✓ **PDF Export**: To activate the hyperlinks in *Adobe Acrobat Pro*, click **Edit > Preferences...**, select the **Documents** category in the left pane of the displayed *Preferences* window and then choose "**Never**" from the drop-down list available for the "**View documents in PDF/A mode**" setting.
- ✓ **SEE Workspace** (SWS files generated through **Options/Customize - Export** button) saved with versions lower or equal to V4R1 not supported by V4R3.
- ✓ **SEE Equipment Database** supports *MS SQL Server 2008, 2012 and 2014* ("Part List Manager" license is required).
- ✓ Versions greater or equal to V4 do no longer support *MS SQL* or *Oracle* database for the parts list processes.
- ✓ If you are using *Local Server Borrowing (LSB)* or *Internet License Server (ILS)* Protection, it is impossible to change the software language after the installation.
- ✓ **Equipment Catalogue**: the "**Date of update**" field is automatically updated at execution of the relevant functionalities that allow/initiate creation, importation and modification of Equipment Codes
However, there are particular cases when the field is not updated – these are:
 - ✓ Modification of Equipment Codes directly in the Access base.
 - ✓ Download of Equipment Codes from CSV and XML files.
 - ✓ Download of Equipment Codes having ASCII Formatted format, dBase format and Class format.
 - ✓ Modification of a field value via the command **Edit > Change field value...**
 - ✓ Modification of a field via the command **Tools > Add or Modify field into multiple classes**.
- ✓ **PLC I/O Manager**:
 - ✓ With **Block Generation** option activated (in the *Options* menu), it is **impossible** to export interfaces in the generated PLC sheets (this process is only possible when the **Sif Generation** option is activated).
 - ✓ Impossible to import configurations with formats:
 - FNE, EDI LOG and TXT.
 - ACCESS with a structure different from IGE format.
 - ✓ Impossible to export a configuration.

- ✓ In a configuration, it is impossible to define several blocks of intermediary cards.

✓ **Block Variables Editor:**

- ✓ does not retrieve attributes from Blocks and Standard Diagrams created in Layout sheets.
- ✓ retrieves only symbols' Location and Function from Blocks and Standard Diagrams created in Synoptic sheets.

I.D.2. SEE Electrical 3D Panel

- ✓ *SEE Electrical 3D Panel* has its own installer and is **not installed with SEE Electrical Expert**.

I.D.3. SEE Automatic Diagram Generation Module

- ✓ The *SEE Automatic Diagram Generation* module has its own installer and is **not installed with SEE Electrical Expert**.
- ✓ This module is protected by a license.
- ✓ The *SEE Automatic Diagram Generation* module **needs MS Excel** and is compatible with the **32 and 64 bits** versions of **MS Excel 2010, 2013 and 2016**.
- ✓ It is not possible to add variables for layout or harness blocks in the Block Param Editor.

I.D.4. Concurrent Engineering Module (Multi-User Mode)

- ✓ The *Concurrent Engineering* module (Multi-User mode) works with *MS SQL Server 2012* and *2014* database to store project data.
- ✓ The Concurrent Engineering module **needs SEE Access Control**.
- ✓ In Multi-User mode (*Concurrent Engineering* module), the option "**Automatically save project content when closing project**" (in the **Settings** window of *SEE Electrical Expert*) does not work when **not enabled**.

I.D.5. Open Data Module

- ✓ The *Open Data* module needs *MS Excel* and is compatible only with the 32-bits version.

I.D.6. End Fitting Module

- ✓ To migrate the data stored in cable attributes (until V4R1) to the new V4R3 extremity attributes, the "End Fitting migration to V4R3 (4.80)" plugin must be installed and activated.

I.D.7. 3D Panel For SolidWorks Module

- ✓ The "old" *3D Panel for SolidWorks* module is no longer supported by *SEE Electrical Expert* versions that are greater or equal to V4R3.
- ✓ A 3D panel layout created with this module (before V4R3) cannot be migrated to the new *3D Panel* module.

I.D.8. Macro

- ✓ To execute a macro on *SEE Electrical Expert* versions greater or equal to V4R3, you need to have a **VBA version 7.1 32 bit** (not 64 bit) installed.

I.D.9. SmarTeam Integration Module

- ✓ The *SmarTeam Integration* module of *SEE Electrical Expert* V4, V4R1, V4R2, and V4R3 supports the SmarTeam releases V5R19 to V5R27.

I.E. Compatibility with Other IGE+XAO Products

I.E.1. SEE Project Manager

SEE Electrical Expert V4R3 Service Pack 4 (4.84/C) is compatible with *SEE Project Manager* **V8R2** SP7 - Patch K or L, and **V8R3 Patch C**.

I.E.2. SEE Access Control

SEE Electrical Expert V4R3 Service Pack 4 (4.84/C) supports only the version **4.50/E** of *SEE Access Control*.

Customers using older SEE User Access versions have to migrate their databases via the SEE Access Control Admin Tool.

I.E.3. SEE Automatic Diagram Generation

SEE Electrical Expert V4R3 Service Pack 4 (4.84/C) supports the version V4.80/A of SEE Automatic Diagram Generation.

I.E.4. SEE Electrical 3D Panel

SEE Electrical Expert Service Pack 4 (4.84/C) supports **V1R5 Service Pack 1** of *SEE Electrical 3D Panel*.

I.E.5. SEE Electrical Jigboard

SEE Electrical Expert V4R3 Service Pack 4 (4.84/C) supports the version **V4R7** of *SEE Electrical Jigboard*.

I.F. System Requirements

I.F.1. Advisable System Configuration

For Mono-User Mode:

- Microsoft *Windows* 7 Home Premium, Professional, Ultimate, Enterprise
- 64 bits Operating System to be installed on a 64 bits computer
- Processor: i3 class, 2 GHz.
- RAM: 4 GB.
- 500 MB of free disk space required for the installation.
- In order to optimize the *SEE Electrical Expert* performance on your computer, it is recommended that you use an SSD hard drive
- Graphic Card: 1280 x 1024.

For Multi-User Mode (Concurrent Engineering):

The requirements are different for the Server and for the Client.

For the Server:

- Microsoft *Windows* Server 2008 R2 64 bits or newer.
- Microsoft *SQL* Server 2008 R2 (PROFESSIONAL version strongly recommended; EXPRESS EDITION version possible to be used with limitations).
- Processor: i7 class, 3 GHz.
- RAM: 12 GB (+ 1 GB by client).
- 200 GB of free disk space required for the installation.
- LAN (Network Card): 1 GB.

For the Client:

- Microsoft *Windows* 7 (64 bits).
- Processor: i3 class, 2 GHz.
- RAM: 4 GB.
- 500 MB of free disk space required for the installation.
- In order to optimize the *SEE Electrical Expert* performance on your computer, it is recommended that you use an SSD hard drive
- Network Card: 1 GB.
- Graphic Card: 1280 x 1024.

For using the 3D Panel:

- Microsoft *Windows* 7 Home Premium, Professional, Ultimate, Enterprise.
- Processor: i5 class, 2 GHz.
- RAM: 4 GB.
- 1 GB of free disk space required for the installation with the 3D Parts library provided by default.
- Graphic Card: full support of OpenGL required, as well as 1 GB of dedicated memory.

I.F.2. Windows Compatibility

SEE Electrical Expert V4R3 supports:

- ✓ Microsoft **Windows 10 Pro** (32 and 64 bits), as well as Microsoft **Windows 10 Enterprise** (32 and 64 bits).
- ✓ Microsoft **Windows 8** and Microsoft **Windows 8.1** (except for the RT version for mobile devices).
- ✓ Microsoft **Windows 7**.
- ✓ **Microsoft Windows XP** is not supported by *SEE Electrical Expert* V4R3.

I.F.3. Virtual Solutions Compatibility

SEE Project Manager and *SEE Electrical Expert* are compatible with the Microsoft App-V and VMWare virtual solutions.

Microsoft App-V or VMWare

No compatibility issues reported for these two virtual solutions.